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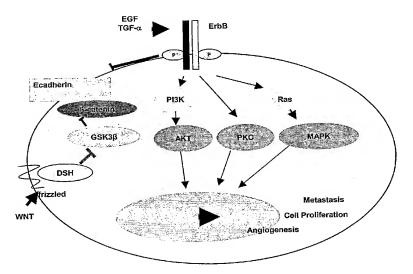
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(54) Title: GEFITINIB SENSITIVITY-RELATED GENE EXPRESSION AND PRODUCTS AND METHODS RELATED THERETO



(57) Abstract: Disclosed is the identification, provision and use of a panel of biomarkers that predict sensitivity or resistance to gefitinib and other EGFR inhibitors, and products and processes related thereto. Specifically, a method is described for selecting a cancer patient who is predicted to benefit from therapeutic administration of an EGFR inhibitor, an agonist thereof, or a drug having substantially similar biological activity as EGFR inhibitor. Also described is a method to identify molecules that interact with the EGFR pathway to allow or enhance responsiveness to EGFR inhibitors, as well as a plurality of polynucleotides or antibodies for the detection of the expression of genes that are indicative of sensitivity or resistance to EGFR inhibitors, an agonist thereof, or a drug having substantially similar biological activity as EGFR inhibitors. A method to identify a compound with the potential to enhance the efficacy of EGFR inhibitors is also described.

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